

We claim

1. A synergistic antifungal formulation active against dermatophytic fungi comprising a garlic extract in propylene glycol, essential oil of *M. spicata* Var Ganga or cinnamon oil alone or in combination along with menthyl acetate or geraniol in suitable base.
2. A formulation as claimed in claim 1 wherein the base is prepared by mixing stearyl alcohol, cetyl alcohol and propylene glycol at 70-75°C over water bath and cooling down the preparation with constant stirring up to ambient temperature and finally curing for 48 hours in covered beaker with occasional mixing the product.
3. A formulation as claimed in claim 1 wherein the garlic extract is present in an amount of 1-3% and the essential oil of *Mentha spicata* var Ganga or cinnamon oil alone or in combination is present in an amount of 2%-5% and wherein constituents of essential oil like menthyl acetate or geraniol is added to the base at temperature 30-35°C.
4. A formulation as claimed in claim 1 wherein the garlic extract in propylene glycol is present in a concentration in the range of 1% - 2.5%.
5. A formulation as claimed in claim 1 wherein the essential oil of *M. spicata* var Ganga is present in a concentration in the range of 2% - 5%.
6. A formulation as claimed in claim 1 wherein the cinnamon essential oil is present in a concentration in the range of 0.01% - 0.8%
7. A formulation as claimed in claim 1 wherein the menthyl acetate is present in a concentration in the range of 0.3%-1.2%
8. A formulation as claimed in claim 1 wherein the concentration of geraniol is about 1%.

9. A formulation as claimed in claim 1 wherein the dermatophytic fungi are selected from the group consisting of *Candida*, *Trichophyton*, *Microsporum* and *Epidermophyton*.
10. A formulation as claimed in claim 1 wherein the shelf life of the formulation is more than one year.
11. A formulation as claimed in claim 1 wherein the synergistic antifungal preparation of the invention active against dermatophytic fungi comprises of garlic extract in propylene glycol, essential oil of *M. spicata* Var Ganga or cinnamon oil alone or in combination, along with menthyl acetate or geraniol in suitable base wherein the improved formulation act by inhibiting the ergosterol biosynthesis.
12. A formulation as claimed in claim 11 wherein the formulation is active against dermatophytic fungi by making the sterol non-available for cell membrane biosynthesis.
13. A formulation as claimed in claim 1 wherein the antifungal formulation is active against dermatophytic fungi which may or may not be sensitive to synthetic antifungal compounds selected from the group consisting of azoles and polyenes.
14. A formulation as claimed in claim 1 wherein the antifungal formulation is active against dermatophytic fungi and the antifungal formulation shows clearing of the fungal culture indicating clear lysis.
15. A method for the treatment of dermatophytic fungi comprising administering to a subject infected with the dermatophytic fungi an effective amount of a antifungal preparation comprising a garlic extract in propylene glycol, essential oil of *M. spicata* Var Ganga or cinnamon oil alone or in combination along with menthyl acetate or geraniol in suitable base.
16. A method as claimed in claim 15 wherein the base is prepared by mixing stearyl alcohol, cetyl alcohol and propylene glycol at 70-75°C over water bath and cooling down the preparation with constant stirring up to ambient

temperature and finally curing for 48 hours in covered beaker with occasional mixing the product.

17. A method as claimed in claim 15 wherein the garlic extract is present in an amount of 1-3% and the essential oil of *Mentha spicata* var Ganga or cinnamon oil alone or in combination is present in an amount of 2%-5% and wherein constituents of essential oil like menthyl acetate or geraniol is added to the base at temperature 30-35°C.
18. A method as claimed in claim 15 wherein the garlic extract in propylene glycol is present in a concentration in the range of 1% - 2.5%.
19. A method as claimed in claim 15 wherein the essential oil of *M. spicata* var Ganga is present in a concentration in the range of 2% - 5%.
20. A method as claimed in claim 15 wherein the cinnamon essential oil is present in a concentration in the range of 0.01% - 0.8%
21. A method as claimed in claim 15 wherein the menthyl acetate is present in a concentration in the range of 0.3%-1.2%
22. A method as claimed in claim 15 wherein the concentration of geraniol is about 1%.
23. A method as claimed in claim 15 wherein the dermatophytic fungi are selected from the group consisting of *Candida*, *Trichophyton*, *Microsporum* and *Epidermophyton*.
24. A method as claimed in claim 15 wherein the formulation is active against dermatophytic fungi by making the sterol non-available for cell membrane biosynthesis.
25. A method as claimed in claim 15 wherein the antifungal formulation is active against dermatophytic fungi which may or may not be sensitive to synthetic antifungal compounds selected from the group consisting of azoles and polyenes.

26. A method as claimed in claim 15 wherein the antifungal formulation is active against dermatophytic fungi and the antifungal formulation shows clearing of the fungal culture indicating clear lysis.